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| **Failure Code** | **Description** | **SQL Query** |
| 1000 | Duplicate Devices | SELECT d.[Name], t.[Name] AS [Type], Domain, Manufacturer, Model, COUNT(\*) AS Duplicates FROM tblDevices d LEFT OUTER JOIN tblDeviceTypes t ON d.TypeId = t.Id GROUP BY d.[Name], t.[Name], Domain, Manufacturer, Model HAVING COUNT(\*) > 1 |
| 1003 | Devices without valid CPU model | SELECT d.Id, d.[Name], os.[DiscoveredProduct], d.OsFamily, [Machine Type Virtualization] = CASE WHEN d.Virtual = 1 THEN 'Virtual' WHEN (SELECT COUNT(\*) FROM tblVmHosts WHERE DeviceId = d.Id) > 0 THEN 'Host' WHEN d.Virtual = 0 THEN 'Physical' END, Cpu.[CPU] FROM IncludedDevices d LEFT OUTER JOIN (SELECT DeviceId, [CPU] = MAX([Name]), ProcessorCount = COUNT(CpuDeviceId), CoreCount = SUM(NumberOfCores) FROM tblCpus GROUP BY DeviceId) Cpu ON Cpu.DeviceId = d.Id LEFT OUTER JOIN tblSoftware os ON d.OsSoftwareId = os.[Id] WHERE (os.DiscoveredProduct like '%microsoft%' OR d.[OsFamily] like '%windows%' OR os.DiscoveredProduct like '%windows%' OR d.Id IN (SELECT distinct h1.DeviceId FROM tblVmHosts h1 LEFT OUTER JOIN tblVMs vm1 ON vm1.VmHostId = h1.Id LEFT OUTER JOIN IncludedDevices d1 ON vm1.DeviceId = d1.Id LEFT OUTER JOIN tblSoftware os1 ON d1.OsSoftwareId = os1.[Id] WHERE os1.Publisher like '%microsoft%' OR d1.[OsFamily] like '%windows%' OR os1.DiscoveredProduct like '%windows%')) AND ((cpu.DeviceId IS NULL OR LTRIM(RTRIM(cpu.[CPU])) NOT IN (SELECT ProcessorInput FROM MS\_ProcessorModels))) |
| 1004 | Core- or Processor count is 0 | SELECT d.Id, d.[Name], os.DiscoveredProduct, d.OsFamily, [Machine Type Virtualization] = CASE WHEN d.Virtual = 1 THEN 'Virtual' WHEN (SELECT COUNT(\*) FROM tblVmHosts WHERE DeviceId = d.Id) > 0 THEN 'Host' WHEN d.Virtual = 0 THEN 'Physical' END, Cpu.[ProcessorCount], Cpu.[CoreCount] FROM IncludedDevices d LEFT OUTER JOIN (SELECT DeviceId, [CPU] = MAX([Name]), ProcessorCount = COUNT(CpuDeviceId), CoreCount = SUM(NumberOfCores) FROM tblCpus GROUP BY DeviceId) Cpu ON Cpu.DeviceId = d.Id LEFT OUTER JOIN dbo.tblSoftware os ON d.OsSoftwareId = os.[Id] WHERE (os.Publisher like '%microsoft%' OR d.[OsFamily] like '%windows%' OR os.DiscoveredProduct like '%windows%' OR d.Id IN (SELECT distinct h1.DeviceId FROM tblVmHosts h1 LEFT OUTER JOIN tblVMs vm1 ON vm1.VmHostId = h1.Id LEFT OUTER JOIN IncludedDevices d1 ON vm1.DeviceId = d1.Id LEFT OUTER JOIN dbo.tblSoftware os1 ON d1.OsSoftwareId = os1.[Id] WHERE os1.Publisher like '%microsoft%' OR d1.[OsFamily] like '%windows%' OR os1.DiscoveredProduct like '%windows%')) AND (Cpu.ProcessorCount = 0 OR cpu.ProcessorCount IS NULL) |
| 1005 | Hyperthreading invalid | SELECT d.Id, d.[Name], t.[Name] as [Type], Domain, os.DiscoveredProduct, d.Manufacturer, d.Model, p.[Name] AS Cpu, p.NumberOfLogicalProcessors, p.NumberOfCores FROM [tblDevices] d LEFT OUTER JOIN tblDeviceTypes t on d.TypeId = t.Id LEFT OUTER JOIN tblCpus p ON d.Id = p.DeviceId LEFT OUTER JOIN dbo.tblSoftware os ON d.OsSoftwareId = os.[Id] WHERE p.NumberOfLogicalProcessors > p.NumberOfCores AND (p.HyperThreadingCapable = 0 or p.HyperThreadingCapable IS NULL) |
| 1010 | Primary User mandatory for Client OS | SELECT d.Id, d.[Name], t.[Name] as [Type], Domain, os.DiscoveredProduct, Manufacturer, Model, PrimaryUserName FROM dbo.IncludedDevices d LEFT OUTER JOIN tblDeviceTypes t on d.TypeId = t.Id LEFT OUTER JOIN dbo.tblSoftware os ON d.OsSoftwareId = os.[Id] WHERE os.DiscoveredProduct LIKE '%windows%' AND os.DiscoveredProduct NOT LIKE '%server%' AND d.PrimaryUserName IS NULL |
| 2000 | Duplicate VMs | SELECT [Name], COUNT(\*) AS Duplicates FROM tblVms WHERE (IsTemplate IS NULL OR IsTemplate = 0) AND (IsSnapshot IS NULL OR IsSnapshot = 0) GROUP BY [Name] HAVING COUNT(\*) > 1 |
| 2001 | Orphan VMs | SELECT Id, [Name], DnsName, VmHostId FROM tblVms WHERE (DeviceId NOT IN (SELECT Id FROM tblDevices) OR DeviceId IS NULL) AND IsSnapshot IS NULL AND IsTemplate IS NULL |
| 2002 | Orphan VM Hosts | SELECT Id, [Name], OSVersion FROM tblVmHosts WHERE DeviceId IS NULL OR DeviceId NOT IN (SELECT Id FROM tblDevices) |
| 2003 | VMs without Hosts | SELECT DISTINCT d.Id, d.[Name], os.DiscoveredProduct, d.OsFamily FROM IncludedDevices d INNER JOIN tblVms vm ON d.Id = vm.DeviceId LEFT OUTER JOIN dbo.tblSoftware os ON d.OsSoftwareId = os.[Id] WHERE (os.DiscoveredProduct LIKE '%microsoft%' OR d.[OsFamily] LIKE '%windows%' OR os.DiscoveredProduct LIKE '%windows%') AND (vm.VmHostId IS NULL OR vm.VmHostId NOT IN (SELECT DISTINCT Id FROM tblVms)) UNION SELECT DISTINCT d.Id, d.[Name], os.DiscoveredProduct, d.OsFamily FROM IncludedDevices d LEFT OUTER JOIN dbo.tblSoftware os ON d.OsSoftwareId = os.[Id] WHERE (os.Publisher LIKE '%microsoft%' OR d.[OsFamily] LIKE '%windows%' OR os.DiscoveredProduct like '%windows%') AND Virtual = 1 AND d.Id NOT IN (SELECT DeviceID FROM tblVms) |
| 2005 | Invalid VMs | SELECT d.Id, [Name], Manufacturer, Model, SerialNumber, os.DiscoveredProduct FROM IncludedDevices d LEFT OUTER JOIN dbo.tblSoftware os ON d.OsSoftwareId = os.[iD] WHERE (Model like '%vmware%' AND Virtual <> 1) OR (SerialNumber like '%vmware%' AND Virtual <> 1) |
| 5000 | Duplicate Software per Device | SELECT DeviceId, DiscoveredProduct, DiscoveredVersion, InstallLocation, COUNT(\*) as Duplicates FROM tblSoftware sw LEFT OUTER JOIN tblSoftwareInstallations i ON sw.Id = i.SoftwareId GROUP BY DeviceId, DiscoveredProduct, DiscoveredVersion, InstallLocation HAVING COUNT(\*) > 1 |
| 5001 | Orphan Software | SELECT DeviceId, DiscoveredProduct, DiscoveredVersion, Publisher FROM tblSoftware sw LEFT OUTER JOIN tblSoftwareInstallations i ON sw.Id = i.SoftwareId WHERE DeviceId NOT IN (SELECT Id FROM tblDevices) OR DeviceId IS NULL |
| 6000 | Duplicate MailServers | SELECT ServerName, COUNT(\*) AS Duplicates FROM tblMailServers GROUP BY ServerName HAVING COUNT(\*) > 1 |
| 6001 | Orphan MailServers | SELECT Id, ServerName FROM tblMailServers WHERE DeviceId IS NULL OR DeviceId NOT IN (SELECT Id FROM tblDevices) |
| 7000 | Duplicate DatabaseServers | SELECT DataSourceId, SrcDeviceId, ProductName, [Version], Edition, InstallLocation FROM [in].tblDatabaseServers WHERE SrcId IN (SELECT SrcId FROM [in].tblDatabaseServers GROUP BY SrcId HAVING COUNT(\*) > 1) |
| 7001 | Orphan DatabaseServers | SELECT DeviceId, ProductName, [Version], Edition, InstallLocation FROM tblDatabaseServers WHERE DeviceId IS NULL OR DeviceId NOT IN (SELECT Id FROM tblDevices) |
| 7002 | Orphan Databases | SELECT [Name] FROM tblDatabases WHERE DatabaseServerId IS NULL OR DatabaseServerId NOT IN (SELECT Id FROM tblDatabaseServers) |
| 7003 | SQL Server installations not reported as DatabaseServer | SELECT d.Id, d.[Name], Domain, Manufacturer, Model FROM [IncludedDevices] d WHERE d.[Id] IN (SELECT DISTINCT DeviceId FROM tblSoftwareInstallations WHERE SoftwareId IN (SELECT Id FROM tblSoftware WHERE DiscoveredProduct like '%sql server%database%' OR DiscoveredProduct like '%sql server 2005%' OR DiscoveredProduct like '%sql server 2000%') AND DeviceId NOT IN (SELECT DISTINCT DeviceId FROM tblDatabaseServers)) |
| 7004 | Missing product information on database servers | SELECT \* FROM tblDatabaseServers WHERE [ProductName] IS NULL OR LEN([ProductName]) = 0 OR [Version] IS NULL OR LEN([Version]) = 0 OR [Edition] IS NULL OR LEN([Edition]) = 0 |
| 9000 | Duplicate Users | SELECT Cn, Domain, SamAccountName, COUNT(\*) AS Duplicates FROM tblUsers GROUP BY Cn, Domain, SamAccountName HAVING COUNT(\*) > 1 |
| 10000 | Servers wihtout performance | SELECT d.Id, d.[Name], t.[Name] as [Type], Domain, os.DiscoveredProduct, Manufacturer, Model FROM [IncludedDevices] d LEFT OUTER JOIN tblDeviceTypes t on d.TypeId = t.Id LEFT OUTER JOIN dbo.tblSoftware os ON d.OsSoftwareId = os.[Id] WHERE os.DiscoveredProduct like '%server%' AND d.Id NOT IN (SELECT DeviceId FROM tblDevicePerformance) |